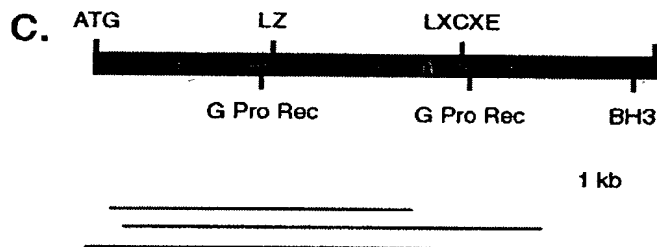
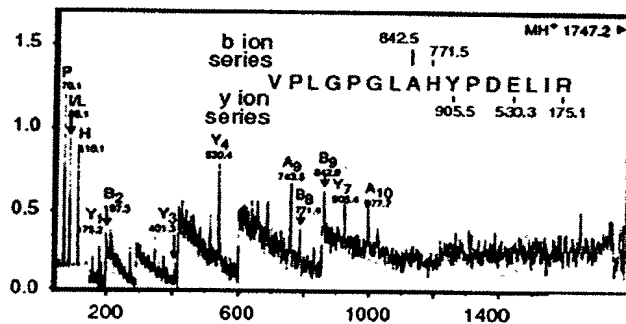
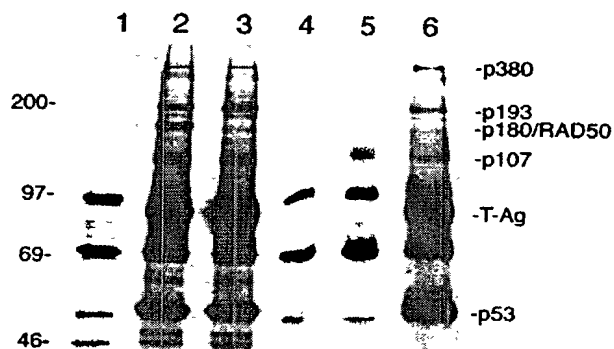




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Figure 1





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FIGURE 2

a.

```

MVGELRYREFRVPLGPGHLHAYPDELIRQRVGHNGHPEYQIRWLILRRGDD      50
GDRDSTVDCKAEHILLWMSDDIYANCHKMLGENGQVIAPSRESTEAGAL      100
DKSVLGEMETDVKSLIQRALRQLEECVGTVPAPLLHTVHVL SAYASIEP      150
LTGIFKDRRVNLLMHMLSSPDYQIRWSAGRMIALSSHDAGTRTQILLS      200
LSQQEAIEKHLDFDSRCALLALFAQATLTEHPMSFEGVQLPQVPGRLIFS      250
LVKRYLHVTFLLDRLNGDAGDQGAQNNFSPEELNVGRGRLELEFSMAMGT      300
LISELVQAMRWGASSRPSSSSSTFQPRPAQFRPYTQRFRRSRRFRPRA      350
SFASFNTYALYVRDTLRPGMRVRMLENYEEIAAGDEGQFRQSNDBGVPPAQ      400
VLWDSTGHTYVWHWMLLEILGFEEDIEDVIDIEELQELGANGALSIVPPS      450
QRWKPIITQLFAEPYVVEEDDREESNLTAQEWELLFFIRQLSEAERLH      500
IVDLLQDHLLEERVLDDYDMLPELTVPDLAQDLLSLPQQLEDALRDLF      550
SCSVYRKYGPEVLVGHLSYFPVPGAQPNLFGANESEAKDPPLQASAPAL      600
QRLVESLGPEGEVLVELEQALGSEAPQETEVKSCLLQLQEQQPPLALMR      650
SLDTSASNKTLLHLTVLRILMQLVNFPEALLPWHEAMDACVTCLRSPNTD      700
REVLQELIFFLHRLTTTSRDYAVILNQHGARDAISKVLEKHRGKLELAQE      750
LRDMVSKCEKHAHLRYRKLTTNILGGCIQMVLGQIEDHRRTHRP IQIPFFD      800
VFLRYLCQGSSEEMKKNRYWEKVEVSSNPQRASRLTDRNPKTYWESSGRA      850
GSHFITLHMRPGVIRQLTLLVAGEDSSYMPAWVVVCGNSIKSVNKELN      900
TVNVMPASASRVTLLENLTRFWPIIQIRIKRCQQGGINTRIRGLEVLGPKP      950
TFWVPVFREQLCRHTRLFYMVRAQAWSQDIAEDRRSLHLSSRLNGALRHE      1000
QNFAERFLPDMEAAQALSKTCEALVSLVQNITSPDEDSTSLGWLLDQ      1050
YLGCREAAYNPQSRAAFSSRVRLTHLLVHVEPREAAPPVVAIPRSKGR      1100
NRIHDWSYLITRGLPSSIMKNLTRCWRSVVEEQMNKFLSASWKDDDFVPR      1150
YCERYYVLQKSSSELFGPRAAFLAMRNGCADAVRRLPFLRAAHVKQOFA      1200
RHIDQRIQGSRMGGARGMEMLAQLQRCLESVLI FSPLEIATTFEHYYQHY      1250
MADRLLSVGSSWLEGAVLEQIGPCFPSRLPQOMLQSLNVSEELQROFHVY      1300
QLQQLDQELLKLEDTEKKIQVAHEDSGREDKSKKEEAIGEAAAVAMABEE      1350
DQCKKEEGEEEGEEDDEEERYKGTMPVCVLVVTFRFWPVASVCQMLN      1400
PATCLPAYLRGTINHYTNFYSKSQSRSSLEKEPQRRLLQWTWQGRAEVQFG      1450
GQILHVSTVQMWLLHLNMQEVSVESLQAISELPPDVLHRAIGPLTSSR      1500
GPLDLQEQKNVPGVGLKIRDDSEEP RPRGNVWLIPPQTYLQAEAEGRN      1550
MEKRRNLLNCLVVRILKAHGDEGLHVDRLVYLVEAWKGPCPARGLVSS      1600
LGRGATCRSSDVLSCILHLLVKGTLLRRHDDRQVLYYAVPVTVMPEHMES      1650
LNPGSAGPNPPLTFHTLQIRSRGVPYASCTDNHTFSTFR      1689
    
```

b.

```

p193:      LKAHGDE
Hrk:       LKALGDE
Bim:       LRRIGDE
Bik:       LACIGDE
Bid:       LAQIGDE
Blk:       LACIGDE
EGL-1:     LAAMCDD
BAD:       LRRMSDE
BNIP-3:    LKKNDSW
    
```



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Figure 3

a.

Pro.
T-Ag IP
myc IP
Cont IP

myc



b.

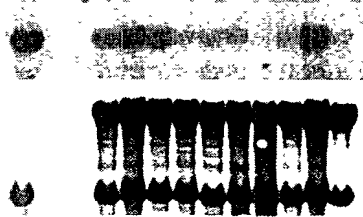
IVT p193
T-Ag
Tot. Pro
T-Ag
Cont.

p193
(Autorad)

-200

T-Ag
(Western)

ea
dne
Liver
Lung
Sk. M
Skin
S
Teste



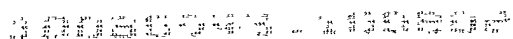
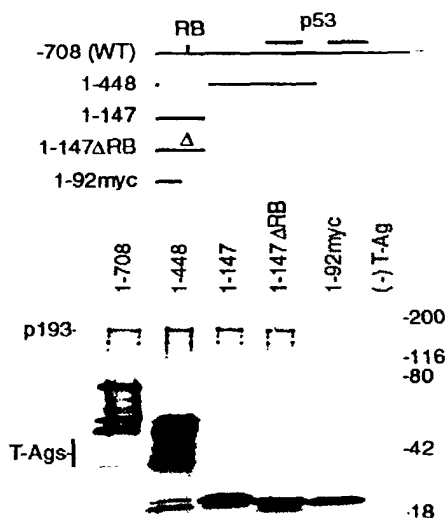


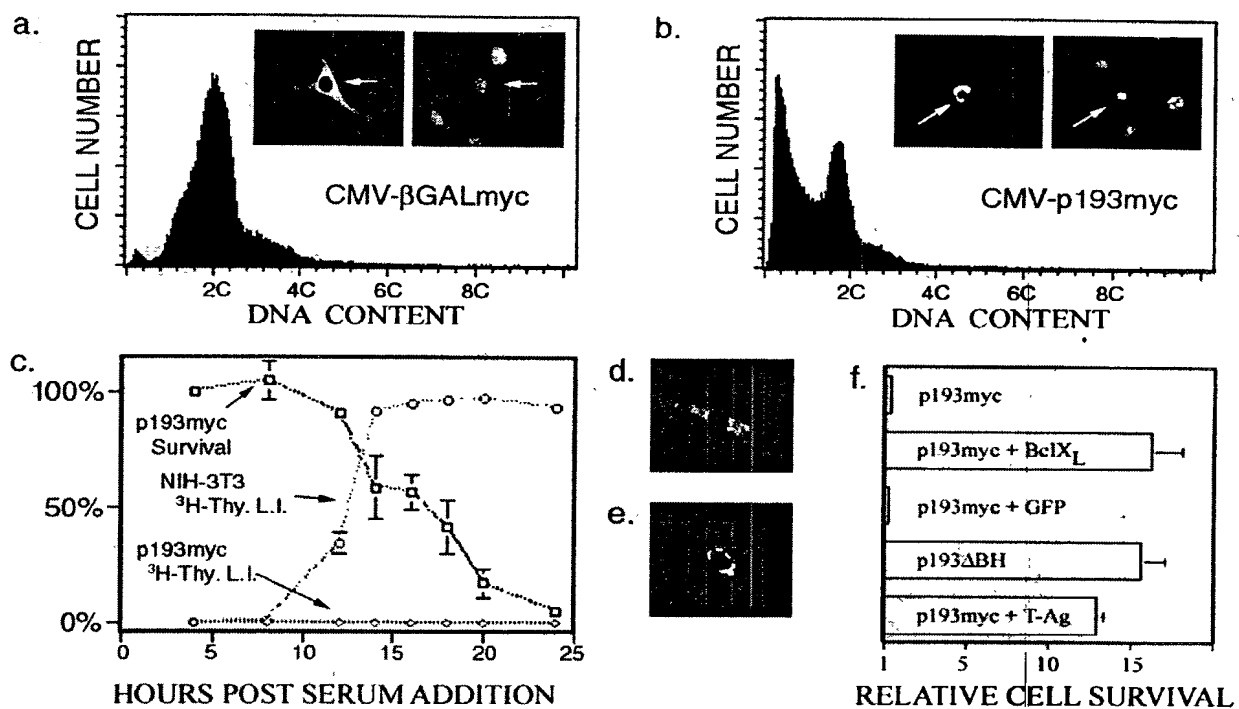
Figure 4





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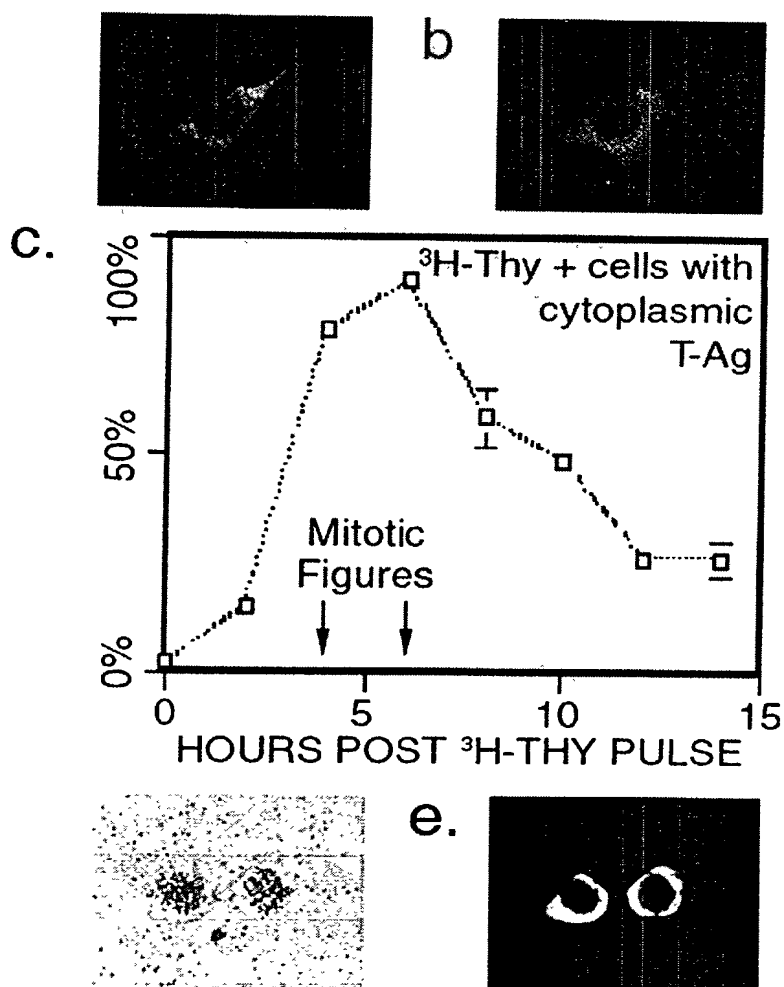
Figure 5.





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Figure 6



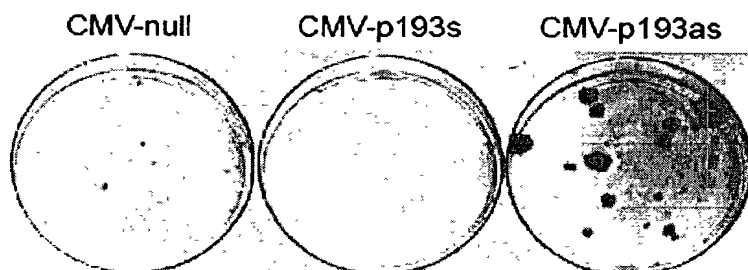


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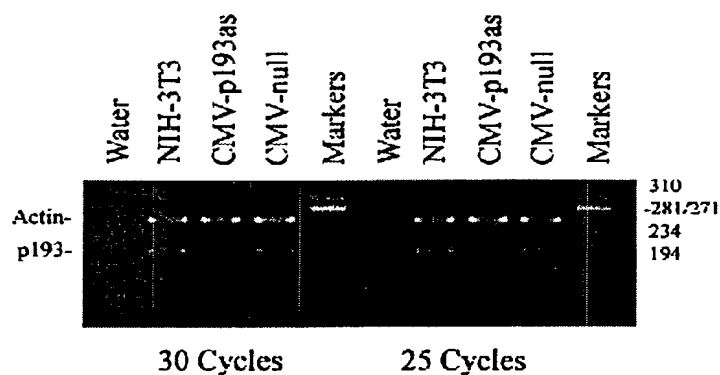
Figure 7

A. NIH-3T3 colony growth assay:

- Transfect with various constructs
- Impose G418 selection
- Stain with gentian violet



B. RT-PCR analysis:

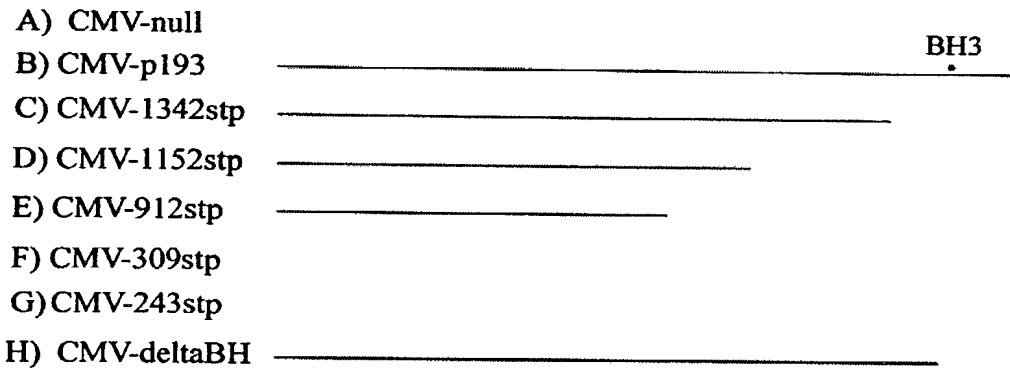




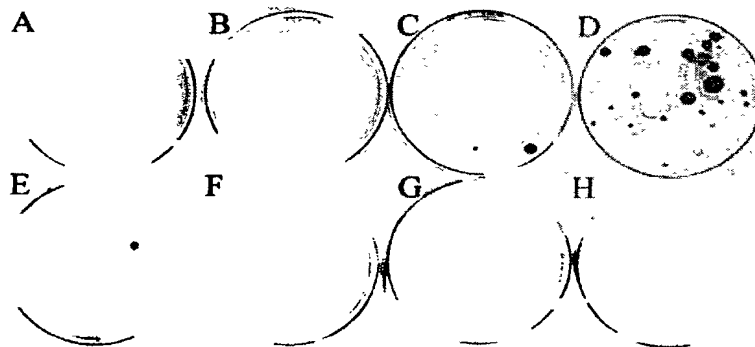
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Figure 8.

Structure of CMV expression vectors with nested p193
C-terminal truncations.



Colony growth assay.

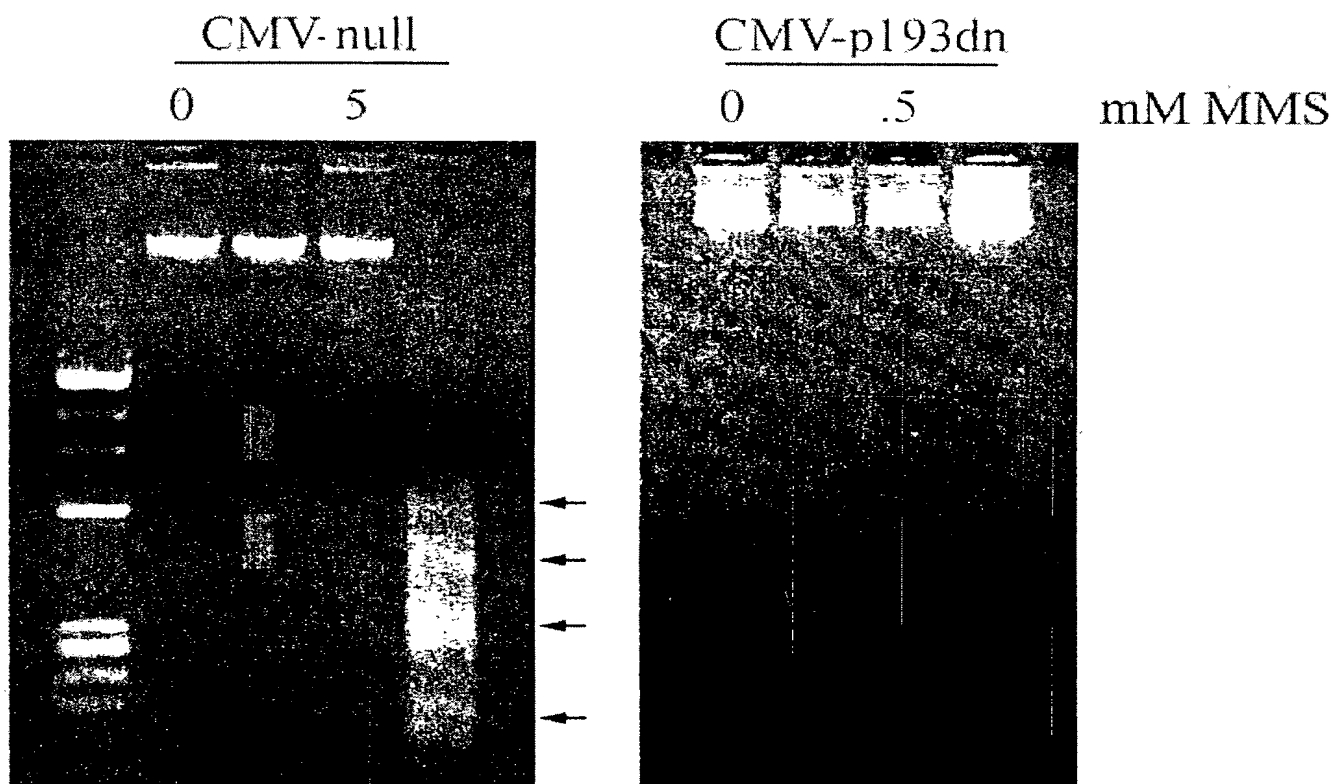




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Figure 8C

p 93dn Blocks MMS induced Apoptosis
in NIH 3T3 Cells





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Figure 9.

MHC-p193dn Transgene

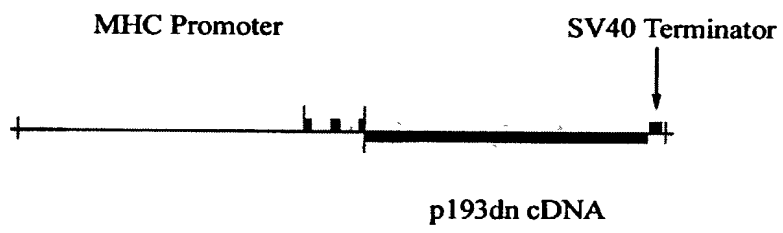




Figure 10.

A gel electrophoresis image showing RNA bands. The lanes are labeled at the top: (-), 4, 5, 6, 7, 9, 10, and 13. On the right side, molecular weight markers are indicated at -28 s and -18 s. The bands in lanes 4 through 13 show a progressive increase in intensity and a slight upward shift compared to the (-) control lane, indicating the presence of a specific RNA species that increases with time.



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Figure 11.

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A.



B.



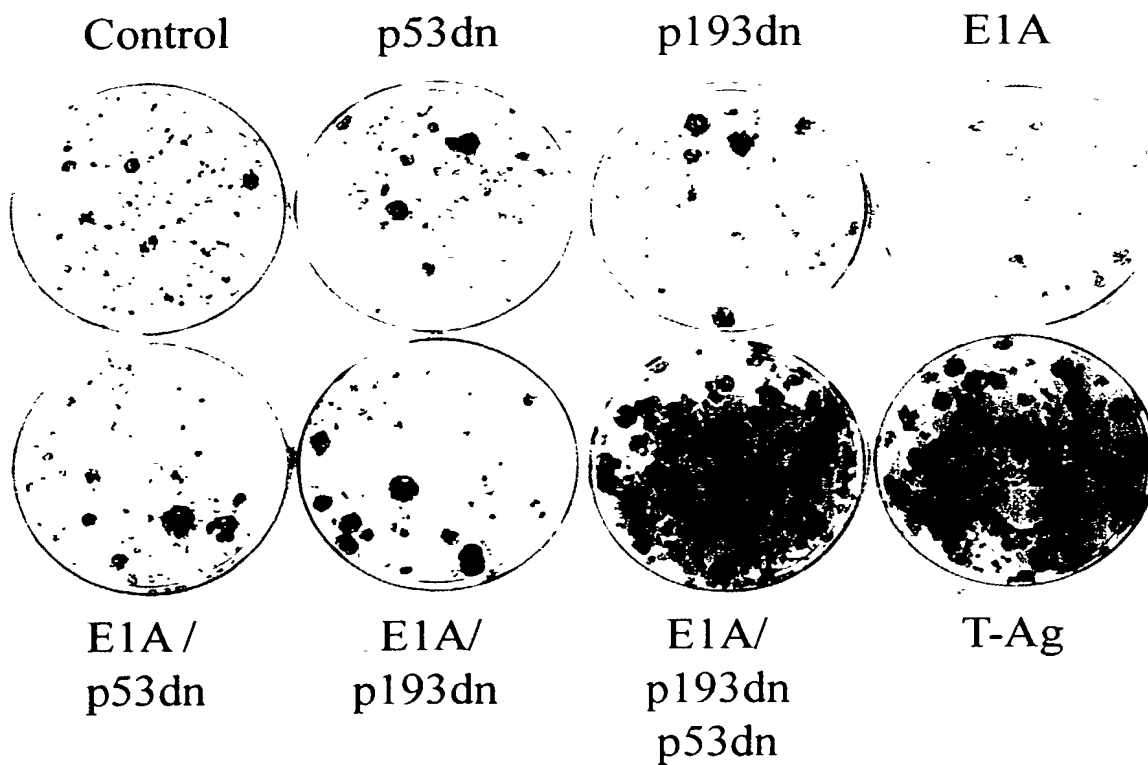
C.



D.



Figure 12

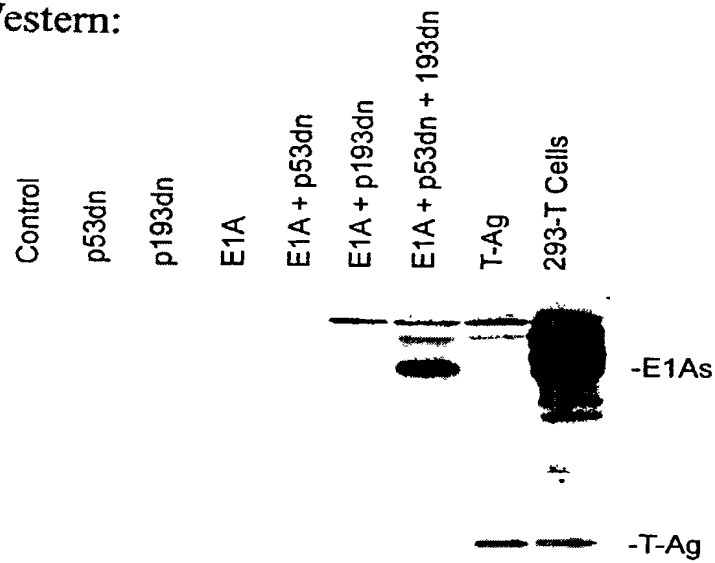




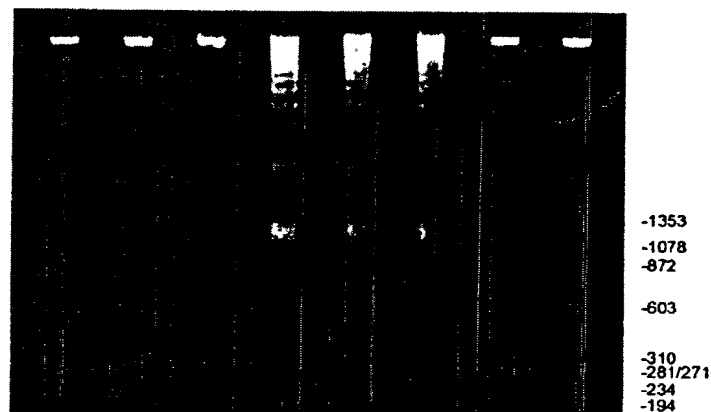
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Figure 13

A) Western:



B) DNA Fragmentation:



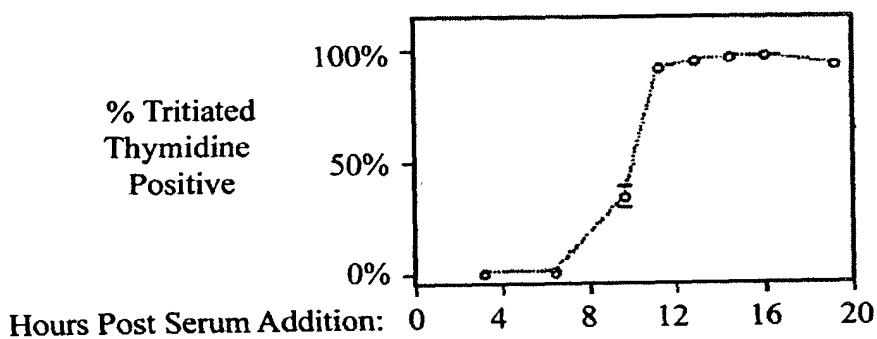


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Figure 14

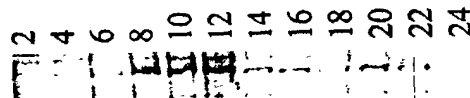
p193 is Expressed in G₁/S of the Cell Cycle:

A) Cell Cycle Synchronization:



B) Western Analysis of p193 Expression:

Hours Post Serum Addition:





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Figure 15

Isoproterenol induces growth in cardiomyocytes
which co-express p193dn and p53dn.

- ISO

+ ISO

